

ASSIGNMENT OF INVENTION

Title of Invention: RECOMBINANT VACCINE AGAINST BOTULINUM NEUROTOXIN

Inventors: Leonard A. Smith, Michael P. Byrne, John L. Middlebrook, Hugh Lapenotiere,  
Michael L. Clayton, Douglas R. Brown

Dates Oath Executed: 2/6/2001, 2/16/2001, 2/14/2001, 2/13/2001, 2/12/2001, 2/8/2001

Application Serial Nos.: U.S. 09/910,186 filed 7/20/2001; PCT/US00/12890 filed 5/12/2000; and  
Canadian Application Number 2,371,279

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent all Letters Patent issuing thereon, and any continuation, continuation-in-part, or division of said application and any resissue of extension of said Letters Patent.
2. Assign to the Government all right, title, and interest in the invention in those foreign countries in which the Government determines to cause an application to be filed, including but not limited to Australia, Canada, Mexico, Japan and the countries of the European Union.
3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution of interference's, and recording of title of patent applications and patents issuing thereon.

Inventor's Signature: Leonard A. Smith

Date: 18 Oct 2002 Typed Name of Inventor: LEONARD A. SMITH

STATE OF Maryland

COUNTY OF Frederick

On the above date LEONARD A. SMITH known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Joan M. Fry  
NOTARY PUBLIC

My Commission expires on October 1, 2004

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Inventor's Signature: Michael Byrne

Date: 26 Nov 02

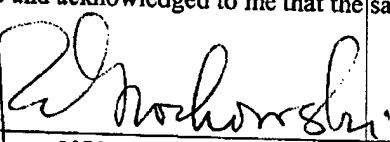
Typed Name of Inventor: MICHAEL P. BYRNE

STATE OF MARYLAND

COUNTY OF MONTGOMERY

On the above date MICHAEL P. BYRNE known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

  
R.C. GROCHOWSKI

NOTARY PUBLIC

My Commission expires on

R. C. GROCHOWSKI  
NOTARY PUBLIC STATE OF MARYLAND  
My Commission Expires January 1, 2005

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Inventor's Signature: John L Middlebrook

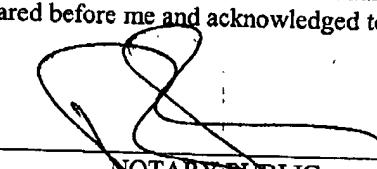
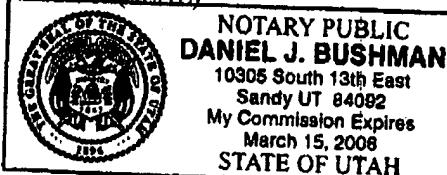
Date: Nov 20, 2002 Typed Name of Inventor: JOHN L. MIDDLEBROOK

STATE OF Utah

COUNTY OF Salt Lake

On the above date JOHN L. MIDDLEBROOK known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)



NOTARY PUBLIC

My Commission expires on 3-15-06

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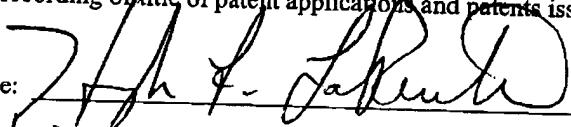
Inventors: Leonard A. Smith, Michael P. Byrne, John L. Middlebrook, Hugh Lapenotiere,  
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Inventor's Signature: 

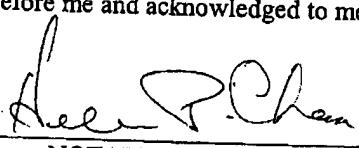
Date: 22 Oct 2002

Typed Name of Inventor: HUGH LAPENOTIERE

STATE OF Maryland

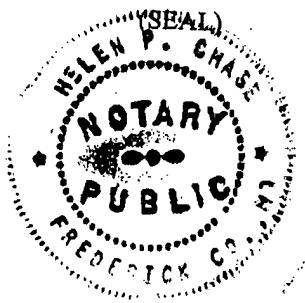
COUNTY OF Fredrick

On the above date HUGH LAPENOTIERE known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

  
NOTARY PUBLIC

My Commission expires on \_\_\_\_\_

HELEN P. CHASE, NOTARY PUBLIC  
FREDERICK COUNTY, MARYLAND  
My Commission Expires May 1, 2006



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*A. me*

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Inventor's Signature: Michael Clayton

Date 21 Oct 02 Typed Name of Inventor: MICHAEL L. CLAYTON  
*A. me*

STATE OF Maryland

COUNTY OF Frederick

On the above date MICHAEL L. CLAYTON known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Joan M. Fry  
NOTARY PUBLIC

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Inventor's Signature: Douglas R. Brown

Date: Oct 11, 2002 Typed Name of Inventor: DOUGLAS R. BROWN

STATE OF District of Columbia

COUNTY OF \_\_\_\_\_

On the above date DOUGLAS R. BROWN known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.

(SEAL)

Alecia S. Price  
NOTARY PUBLIC

My Commission expires on 11-30-05